

gttgtatgg acaagagaac ccagttttgt cgtacttttg caggaaatct ggcattgggt	360
gttgcggcag gggccacate ctgtgtttt gtgtaccctt ttgatttgc cggtaaccgt	420
ctagcaqctg atgigggtaa aqetggadet gaaaggaaat tccuaquett cggjtactgc	480
ctggtaaga ttcacaaatc tcatggatt aaggccctgt accaaaggctt taactqtct	540
gtgcaggta ttatcatcta cggagccgccc taatcggtt tctatqacac tggaaaggaa	600
atgtttccgg atccaaagaa cactcacatc qtctcaajt qgatgatege acaqactgtc	660
actgtgttg cgggtttagt ttcatactca ttgtacaccc ttcggccggcg catgtatq	720
caggcaqqc gcaaaaggaa tgcatacatg tacacagjea cgttjactg ctggggaaag	780
atgtctgtt atgaaggagg caaaggtttt ttcaagggtt catggteraa tqtttcaga	840
gtgttggatq atgttttgtt gtttgttttg tatgtaaaa tcaaggta cacataa	897

• 210: 3

• 211: 897

• 212: DNA

• 213: Homo sapien

• 400: 3

atgtttttttt aaggatccctt tttttttttt aattttttttt gttttttttt tttttttttt	60
atgtttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	120
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	180
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	240
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	300
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	360
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	420
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	480
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	540
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	600
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	660
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	720
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	780
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	840
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	897

• 210: 4

• 211: 43

• 212: DNA

• 213: Artificial Sequence

• 220: *

• 223: PCR Primer

• 400: 4

tttatatatc tttatatatc tttttttttt tttttttttt tttttttttt tttttttttt	48
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• 210: 5

• 211: 43

• 212: DNA

• 213: Artificial Sequence

• 220: *

• 223: PCR primer

• 400: 5

tttatatatc tttatatatc tttttttttt tttttttttt tttttttttt tttttttttt	48
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• 210: 6

• 211: 43

Lys Leu Leu Leu Gin Val Gin His Ala Ser Lys Gin Ile Ser Ala Glu
 35 40 45
 Lys Gin Tyr Lys Gly Ile Ile Asp Cys Val Val Arg Ile Pro Lys Glu
 50 55 60
 Gin Gly Phe Leu Ser Phe Trp Arg Gly Asn Leu Ala Asn Val Ile Arg
 65 70 75 80
 Tyr Phe Pro Thr Gin Ala Leu Asn Phe Ala Phe Lys Asp Lys Tyr Lys
 85 90 95
 Gin Leu Phe Leu Gly Gly Val Asp Arg His Lys Gln Phe Trp Arg Tyr
 100 105 110
 Phe Ala Gly Asn Leu Ala Ser Gly Gly Ala Ala Gly Ala Thr Ser Leu
 115 120 125
 Cys Phe Val Tyr Pro Leu Asp Phe Ala Arg Thr Arg Leu Ala Ala Asp
 130 135 140
 Val Gly Arg Arg Ala Gin Arg Glu Phe His Gly Leu Gly Asp Cys Ile
 145 150 155 160
 Ile Lys Ile Phe Lys Ser Asp Gly Leu Arg Gly Leu Tyr Gln Gly Phe
 165 170 175
 Asn Val Ser Val Gin Gly Ile Ile Tyr Arg Ala Ala Tyr Ile Gly
 180 185 190
 Val Tyr Asp Thr Ala Lys Gly Met Leu Pro Asp Pro Lys Asn Val His
 195 200 205
 Ile Phe Val Ser Trp Met Ile Ala Gln Ser Val Thr Ala Val Ala Gly
 210 215 220
 Leu Leu Ser Tyr Pro Phe Asp Thr Val Asn Arg Asp Met Met Met Gin
 225 230 235 240
 Ser Gly Arg Lys Gly Ala Asp Ile Met Tyr Thr Gly Thr Val Asp Cys
 245 250 255 260
 Trp Arg Lys Ile Ala Lys Asp Glu Gly Ala Lys Ala Phe Phe Lys Gly
 265 270 275
 Ala Trp Ser Asn Val Leu Arg Gly Met Gly Gly Ala Phe Val Leu Val
 275 280 285
 Leu Tyr Asp Glu Ile Lys Lys Tyr Val
 290 295

* 210 - 32

* 211 - 238

* 212 - PRT

* 213 - Homoserotonin

* 400 - 42

Met Thr Asp Ala Ala Leu Ser Phe Ala Lys Asp Phe Leu Ala Gly Gly
 1 5 10 15
 Val Ala Ala Ala Ile Ser Lys Thr Ala Val Ala Pro Ile Gin Arg Val
 20 25 30 35
 Lys Leu Leu Leu Gin Val Gin His Ala Ser Lys Gin Ile Thr Ala Arg
 40 45 50
 Lys Gin Tyr Lys Gly Ile Ile Asp Cys Val Val Arg Ile Pro Lys Glu
 55 60 65
 Leu Gin Val Leu Ser Phe Trp Arg Gly Asn Leu Ala Asn Val Ile Arg
 70 75 80
 Tyr Phe Pro Thr Gin Ala Leu Asp Phe Ala Ile Lys Asp Lys Tyr Lys
 85 90 95
 Ile Ile Phe Ile Gly Gly Val Asp Lys Asn Thr Gin Phe Trp Arg Tyr
 100 105 110
 Phe Ala Gly Asn Leu Ala Ser Phe Gly Ala Ala Gly Ala Thr Ser Leu
 115 120 125

Cys Phe Val Tyr Pro Leu Asp Phe Ala Arg Thr Arg Leu Ala Ala Asp
 130 135 140
 Val Gly Lys Ala Gly Ala Glu Arg Glu Phe Arg Gly Leu Gly Asp Cys
 145 150 155 160
 Leu Val Ilys Ile Tyr Lys Ser Asp Gly Ile Lys Gly Leu Tyr Gln Gly
 165 170 175
 Phe Asn Val Ser Val Gln Gly Ile Ile Tyr Arg Ala Ala Tyr Phe
 180 185 190
 Gly Ile Tyr Asp Thr Ala Lys Gly Met Leu Pro Asp Pro Lys Asn Thr
 195 200 205
 His Ile Val Ile Ser Trp Met Ile Ala Gln Thr Val Thr Ala Val Ala
 210 215 220
 Gly Leu Thr Ser Tyr Pro Phe Asp Thr Val Arg Arg Arg Met Met Met
 225 230 235 240
 Gln Ser Gly Arg Lys Gly Thr Asp Ile Met Tyr Thr Gly Thr Leu Asp
 245 250 255
 Cys Trp Arg Lys Ile Ala Arg Asp Gln Gly Gly Lys Ala Phe Phe Lys
 260 265 270
 Gly Ala Trp Ser Asn Val Leu Arg Gly Met Gly Gly Ala Thr Val Leu
 275 280 285
 Val Leu Tyr Asp Gly Ile Lys Lys Tyr Thr
 290 295

+210 : 33
 +211 : 408
 +212 : ERT
 +213 : Home caption

<400 : 33
 Met Thr Gln Gln Ala Ile Ser Phe Ala Lys Asp Phe Leu Ala Gly Gly
 1 5 10 15
 Ile Ala Ala Ala Ile Ser Ilys Thr Ala Val Ala Pro Ile Gln Arg Val
 20 25 30
 Ilys Leu Leu Leu Gln Val Gln His Ala Ser Lys Gln Ile Ala Ala Asp
 35 40 45
 Lys Gln Tyr Lys Gly Ile Val Asp Gys Ile Val Arg Ile Pro Lys Gln
 50 55 60
 Gln Gly Val Leu Ser Phe Trp Arg Gly Asn Leu Ala Asn Val Ile Arg
 65 70 75 80
 Tyr Phe Pro Thr Gln Ala Leu Asn Ile Ala Phe Lys Asp Lys Tyr Lys
 85 90 95
 Gln Ile Phe Leu Gly Val Asp Lys His Thr Gln Ile Trp Arg Tyr
 100 105 110
 Phe Ala Gly Asn Leu Ala Ser Gly Ala Ala Gly Ala Thr Ser Leu
 115 120 125
 Ilys Ile Val Tyr Pro Leu Asp Phe Ala Arg Thr Arg Leu Ala Ala Asp
 130 135 140
 Val Gly Ilys Ser Gly Thr Glu Arg Gln Phe Arg Gly Leu Gly Asp Cys
 145 150 155 160
 Leu Val Ilys Ile Thr Ilys Ser Asp Gly Ile Arg Gly Leu Tyr Gln Gly
 165 170 175
 Phe Ser Val Ser Val Gln Gly Ile Ile Tyr Arg Ala Ala Tyr Ile
 180 185 190
 Gly Val Tyr Asp Thr Ala Lys Ily Met Leu Ile Asp Pro Lys Asn Thr
 195 200 205
 His Ile Val Val Ser Trp Met Ile Ala Gln Thr Val Thr Ala Val Ala
 210 215 220

Gly Val Val Ser Tyr Pro Phe Asp Thr Val Arg Arg Arg Met Met Met
225 230 235 240
Gln Ser Gly Arg Lys Gly Ala Asp Ile Met Tyr Thr Gly Thr Val Asp
245 250 255
Cys Trp Arg Lys Ile Phe Arg Asp Glu Gly Gly Lys Ala Phe Phe Lys
260 265 270
Gly Ala Trp Ser Asn Val Leu Arg Gly Met Gly Gly Ala Phe Val Leu
275 280 285
Val Leu Tyr Asp Glu Leu Lys Lys Val Ile
290 295